

Spanning Tree :-

$$V = \{v_1, v_2, v_3, v_4, v_5, v_6\}$$

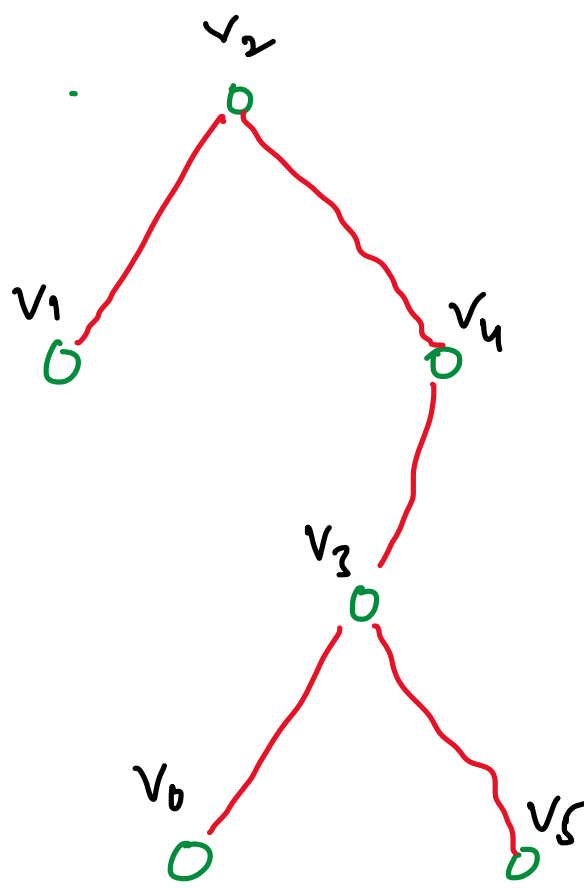
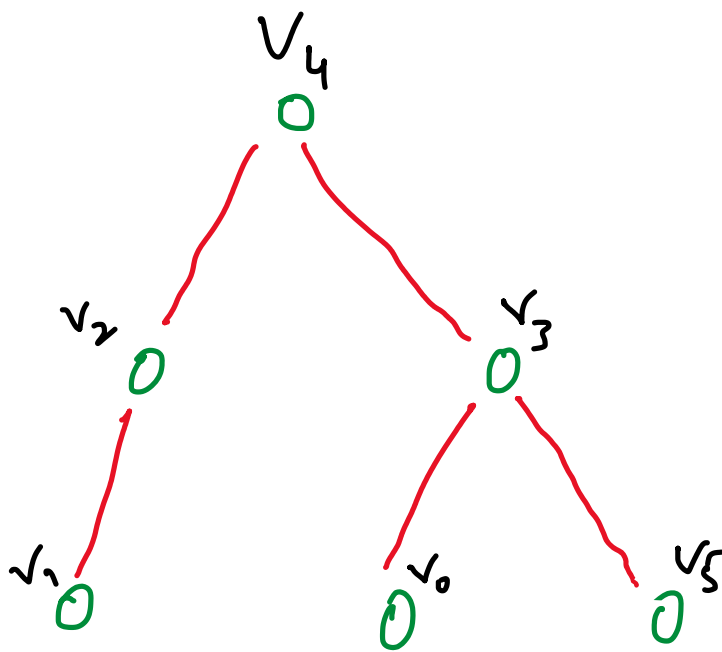
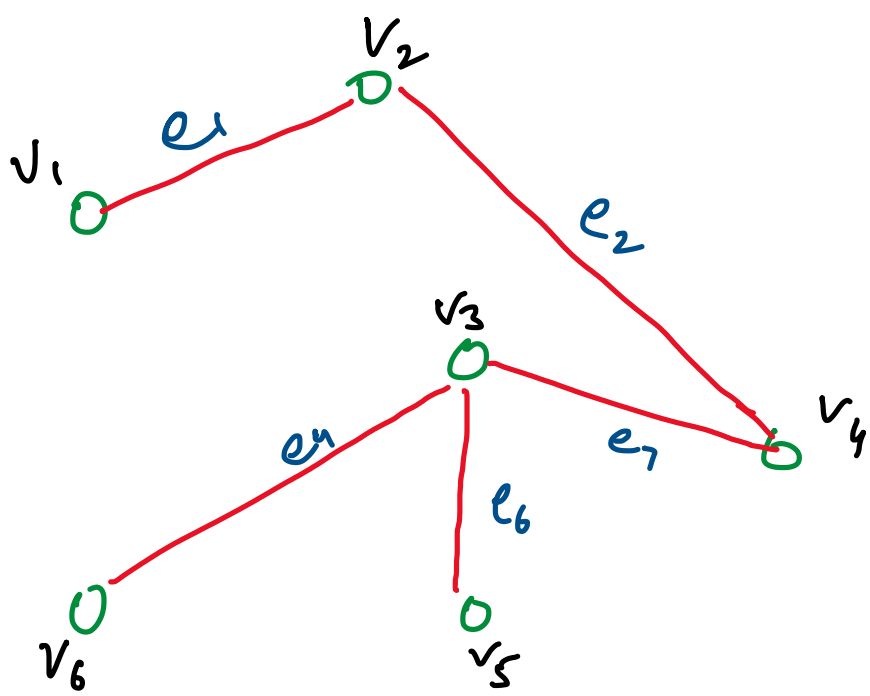
$$E_1 = \{e_1, e_2, e_7, e_6, e_5\}$$

$$E_2 = \{e_1, e_2, e_7, e_4, e_5\}$$

$$E_3 = \{e_1, e_3, e_5, e_6, e_7\}$$

Eccentricity:-

Distance from  $v_i$  to the farthest vertex  $v_j$



$$Roots = \{v_4, v_2, v_5\}$$

